

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS  
 AN 1999:395916 CAPLUS  
 DN 131:204376  
 TI Moisturizing effect of **vesicl s** formed from monoglycerides on human skin  
 AU Sone, Toshiro; Hanamizu, Tomoko; Ichioka, Minoru; Yokokura, Teruo; Yoshikawa, Satoshi; Kondo-Yanai, Naomi; Hiraki, Yoshio; Esumi, Kunio  
 CS Yakult Central Institute for Microbiological Research, Kunitachi, 186, Japan  
 SO International Journal of Cosmetic Science (1999), 21(1), 23-31  
 CODEN: IJCMDW; ISSN: 0142-5463  
 PB Kluwer Academic Publishers  
 DT Journal  
 LA English  
 CC 62-4 (Essential Oils and Cosmetics)  
 AB The moisturizing effect of **vesicles** formed from monoglycerides on human skin was studied by measurement of conductance on and transepidermal water loss from the skin surface. Although sonication of the monoglycerides in water with Ca<sup>2+</sup> gave multilamellar **vesicles**, the **lamellar** structure of the **vesicles** disappeared during their storage without any other additive. With the addn. of poly(vinylpyrrolidone) after the sonication, the stability of the **vesicles** increased and their **lamellar** structure was maintained for 3 mo at 40.degree.C. These **vesicles** led to a significantly higher water content of the stratum corneum of human skin compared with non-**lamellar** monoglyceride, and consequently they improved rough human skin.  
 ST moisturizer **vesicle** monoglyceride skin  
 IT Cosmetics  
 (liposomes; moisturizing effect of **vesicles** formed from monoglycerides on human skin)  
 IT Skin  
 (moisturizing effect of **vesicles** formed from monoglycerides on human skin)  
 IT Monoglycerides  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (moisturizing effect of **vesicles** formed from monoglycerides on human skin)  
 IT 26657-96-5, Monopalmitin **31566-31-1**, Monostearin  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (moisturizing effect of **vesicles** formed from monoglycerides on human skin)  
 IT 9003-39-8, Pvp  
 RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)  
 (moisturizing effect of **vesicles** formed from monoglycerides on human skin)  
 RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 RE  
 (1) Agner, T; Clin Exp Dermatol 1990, V15, P29 MEDLINE  
 (2) Cullis, P; Can J Biochem 1980, V58, P1091 CAPLUS